

NT 12A (3, 8, 13, 18, 23)

① 3. a) $0.75 : 0.25$
 $= 75 : 25$
 $= 3 : 1$

20 x 3

b) $1.5 : 0.35$
 $= 150 : 35$
 $= 30 : 7$

⑥

c) $1.6 : 0.48$
 $= 160 : 48$
 $= 10 : 3$

① 8. Ratio of John's height to his father's
 $= 140 \text{ cm} : 1.8 \text{ m}$
 $= 140 : 180$
 $= 7 : 9$

②

④ Let Area of garden be $x \text{ m}^2$
 $\frac{135}{x} = \frac{3}{8}$

$3x = \frac{135 \times 8}{3}$

$x = 1070 \div 3$

$x = 356 \frac{2}{3} \text{ m}^2$

②

$$\begin{array}{r} 356 \\ 3 \overline{) 1070} \\ \underline{9} \\ 17 \\ \underline{15} \\ 20 \\ \underline{18} \\ 20 \end{array}$$

④ 18) a) If $2x = 5y$, find $x : y$
 $2x = 5y$
 $\frac{x}{y} = \frac{5}{2}$
 $x : y = 5 : 2$

②

b) If $\frac{u}{7} = \frac{v}{9}$, find $u : v$
 $9u = 4v$
 $\frac{u}{v} = \frac{4}{9}$

②

$u : v = 4 : 9$

c) $S = 2.5t$ find $s : t$
 $\frac{s}{t} = \frac{2.5}{1}$

②

$s : t = 5 : 2$

23. ② City A: mobile to nonmobile
 $= 3 : 1$

⑤

City B: mobile to nonmobile
 $= 9 : 1$

non mobile used is City A:

$= \frac{1}{4} \times 500000$

$= 125000$

non-mobile user in city B:

$= \frac{1}{10} \times 750000$

$= 75000$

\therefore City A have more non-mobile user
 which is 50000 more than city A.